



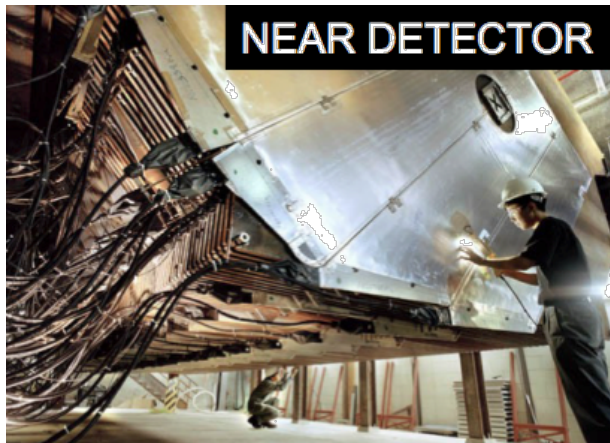
MINOS+ Status Report



Donatella Torretta
All Experimenters' Meetings
February 3, 2014



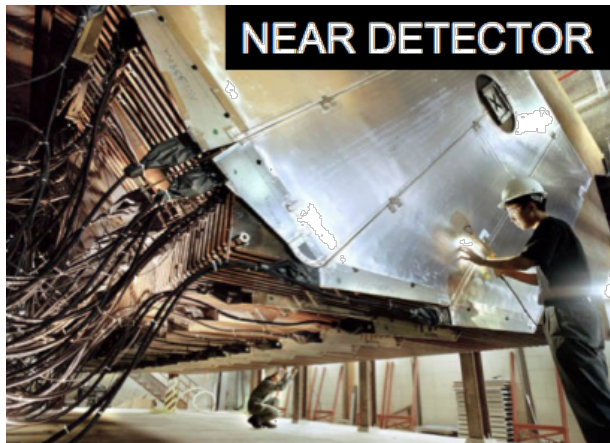
Near Detector



- MINOS+ DAQ is running smoothly.
- **DAQ**
- **OnlineMonitoring (OM) Server**
 - The process sometimes hangs and cannot be restarted from the special Actions button in the RcGUI
 - Found reason in expired ticket on minos-daq02-nd (where startup process script runs)
 - Added a fetch of ticket before ssh to minos-daq04-nd to get valid kerberos ticket
 - It should be OK now
- **One Run Sequence did not stop at subrun 23**, but had to be manually stopped/restarted
 - Possible (but not confirmed) connection with an ntp.conf file change applied by Sys Adms around that time on the gateways machines
 - Investigations underway
 - One time error



Near Detector



Electronics

- Need to change two Minder boards at the next beam downtime
 - 2-12-2 CAPID/ Parity /Wrong Datatype errors
 - 2-15-2 Wrong Datatype errors



Far Detector



- FD DAQ had been running smoothly.
Two glitches:
- **DAQ crashed on Friday Jan 31**
- Several problems with Branch 2 & DAQ computers (old-style PVIC based DAQ system)
- DAQ people tried to recover and did not succeed at first
- Another try at 10:00 pm brought the DAQ back
- Beam loss of about 5 hours
- **DAQ crashed around 9:30 pm last night**
- A Reset was enough to fix the crash
- Beam loss of 10 minutes
- Live Time this week “only” 96.8%



Far Detector



Electronics

- Changed out a VA Chip 9-1-3-0-0 to fix low pedestals problem
- Swapped the 208V UPS in Rack 2, with one of the new refurbished units
 - 208v UPS 'are being rebuilt to fix a known design flaw in Powerware 9120 UPS' s.
 - (UPS units go into error during power outages and had to be shut down to restart)
 - The fix is to replace 3 small capacitors on the units
 - This fix was tested and one repaired UPS was put in service
 - Will replace all the capacitors one UPS at a time, before the spring's storms roll in

Network

- Few minutes of Network Outages to Sudan on Jan 29 & Jan 30 and early this morning, Feb 03
 - Problems are on the UMN side
 - UMN is investigating
 - NO data were lost because of these glitches



MINOS+ Status



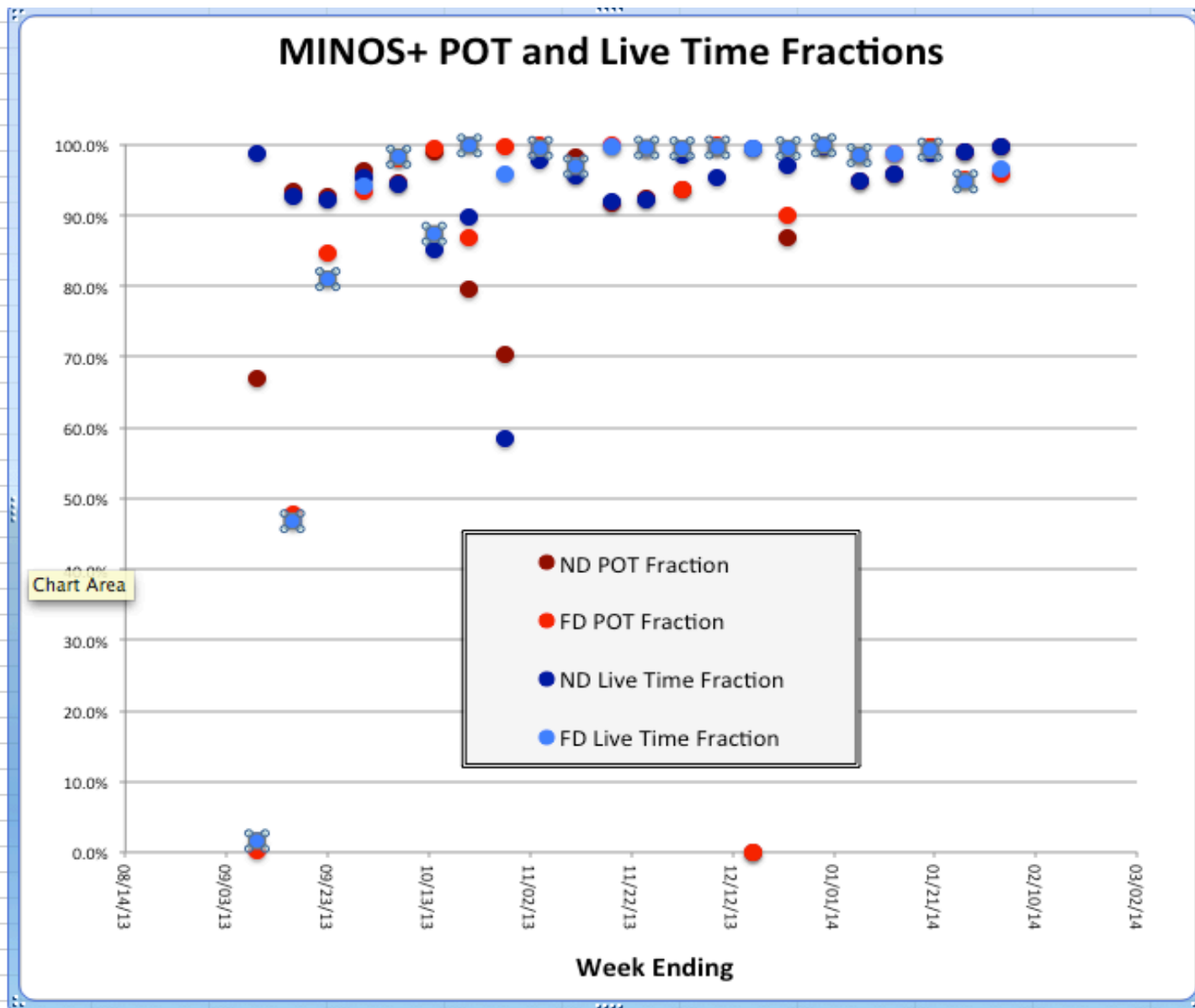
Start Date/Time	End Date/Time	Near Detector		Far Detector	
		POT Fraction	Live Time Fraction	POT Fraction	Live Time Fraction
9/16/13 00:00:00	9/23/13 00:00:00	92.7%	92.3%	84.7%	81.0%
9/23/13 00:00:00	9/30/13 00:00:00	96.2%	95.3%	93.5%	94.1%
9/30/13 00:00:00	10/7/13 00:00:00	94.7%	94.4%	98.0%	98.3%
10/7/13 00:00:00	10/14/13 00:00:00	99.1%	85.0%	99.5%	87.4%
10/14/13 00:00:00	10/21/13 00:00:00	79.7%	89.7%	86.9%	99.9%
10/21/13 00:00:00	10/28/13 00:00:00	70.3%	58.5%	99.8%	95.8%
10/28/13 00:00:00	11/4/13 00:00:00	98.8%	97.8%	99.9%	99.5%
11/4/13 00:00:00	11/11/13 00:00:00	98.4%	95.5%	95.7%	96.9%
11/11/13 00:00:00	11/18/13 00:00:00	91.8%	92.7%	99.9%	99.8%
11/18/13 00:00:00	11/25/13 00:00:00	92.4%	92.2%	99.5%	99.6%
11/25/13 00:00:00	12/02/13 00:00:00	93.6%	98.6%	93.6%	99.5%
12/2/13 00:00:00	12/9/13 00:00:00	99.7%	95.3%	99.9%	99.6%
12/09/13 00:00:00	12/16/13 00:00:00	N/A	99.5%	N/A	99.4%
12/16/13 00:00:00	12/23/13 00:00:00	86.9%	97%	90%	99.5%
12/23/13 00:00:00	12/30/13 00:00:00	99.7%	99.7%	99.9%	99.9%
12/30/13 00:00:00	01/06/14 00:00:00	94.9%	94.9%	98.5%	98.5%
01/06/14 00:00:00	01/13/14 00:00:00	95.9%	95.9%	98.7%	98.8%
01/13/14 00:00:00	01/20/14 00:00:00	99.7%	98.8%	99.8%	99.3%
01/20/14 00:00:00	01/27/14 00:00:00	99.0%	99.1%	95.2%	94.8%



MINOS+ Status



Start Date/Time	End Date/Time	Near Detector		Far Detector	
		POT Fraction	Live Time Fraction	POT Fraction	Live Time Fraction
01/27/14 00:00:00	02/03/14 00:00:00	99.6%	99.7%	95.8%	96.6%





Minos+ Status



- Both detectors are running very well
- Taking good data.